## CLAIMS

1. A resin composition based on crystalline polypropylene, comprising

- (a) 3 65 % by weight of a component soluble in paraxylene of 23℃,
- (b) 35 97 % by weight of a component soluble in paraxylene of 135 ℃ and insoluble in paraxylene of 23 ℃ and
- (c) 0 30 % by weight of a component insoluble in paraxylene of 135  $^{\circ}$ C ,

## wherein

the component (a) soluble in paraxylene of 23 °C is composed substantially of an elastomeric constituent (al) having a content of styrene or its derivative in the range of 0 - 35 % by weight and an intrinsic viscosity [ $\eta$ ] determined in decalin at 135 °C in the range of 0.1 - 5 dl/g,

the component h soluble in paraxylene of 135°C insoluble in paraxylene of 23 and  $\mathcal{C}$ is composed substantially of a crystalline polypropylene constituent (b1) having an isotactic pentad proportion (mmmm) of 97 % or higher, a mo/lecular weight distribution expressed molecular weight/number-average by weight-average molecular weight / (Mw/Mn), determined by gel permeation chromatography (GPC), of 6 or higher and a molecular weight distribution expressed by z-average molecular weight/weight-average molecular weight (Mz/Mw) of 6 or higher and

the component (c) insoluble in paraxylene of 135°C

is composed substantially of a filler (c1).

- 2. A resin composition based on crystalline polypropylene, comprising
- (a) 20 35 % by weight of a component soluble in paraxylene of 23°C,
- (b) 43 65 % by weight of a component soluble in paraxylene of 135  $^{\circ}$ C and insoluble in paraxylene of 23  $^{\circ}$ C and
- (c) 15 22 % by weight of a component insoluble in paraxylene of 135 ℃,

wherein

the component (a) soluble in paraxylene of 23 °C is composed substantially of an elastomeric constituent (al) having a content of styrene or its derivative in the range of 0  $\frac{35}{8}$  by weight and an intrinsic viscosity [ $\eta$ ] determined in decalin at 135 °C in the range of 0.1  $\frac{1}{2}$   $\frac{1}{2}$   $\frac{1}{2}$ 

the component (b) soluble in paraxylene of 135°C and insoluble in paraxylene of 23°C is composed substantially of a crystalline polypropylene constituent (b1) having an isotactic pentad proportion (mmmm) of 98% or higher, a molecular weight distribution expressed by weight-average molecular weight/number-average molecular weight (Mw/Mn), determined by gel permeation chromatography (GPC), of 9 or higher and a molecular weight distribution expressed by z-average molecular weight/weight-average molecular weight (Mz/Mw) of 8 or higher and

the component (c) insoluble in paraxylene of 135°C is composed substantially of powdery talc having an

average particle size in the range of 1 - 5  $\mu$  m.

- 3. A resin composition based on crystalline polypropylene as claimed in Claim 1 or 2, wherein the elastomeric constituent (al) comprises at least one elastomeric constituent selected from the group consisting of
  - (A-1) an elastomeric constituent, which may or may not be hydrogenated, based on styrene having a styrene content in the range of 10 70 % by weight and a conjugated diene content in the range of 30 90 % by weight;
  - (A-2) an ethylene/ $\alpha$ -olefin random copolymer constituent; and
  - (A-3) an ethylene/ $\alpha$ -olefin/non-conjugated polyene random copolymer constituent.
- 4. A resin composition based on crystalline polypropylene as claimed in Claim 1 or 2, wherein the elastomeric constituent (al) comprises at least one elastomer selected from the group consisting of
  - (A-1) an elastomeric constituent, which may or may not be hydrogenated, based on styrene having 10 40 % by weight of a constituent polymer block based on styrene and 60 90 % by weight of a constituent polymer block based on a conjugated diene;
  - (A-2) an ethylene/ $\alpha$ -olefin random copolymer constituent; and
  - (A-3) an ethylene/ $\alpha$ -olefin/non-conjugated polyene random copolymer constituent.
- 5. A resin composition based on crystalline

polypropylene as claimed in Claim 1 or 2, wherein the elastomeric constituent (al) comprises at least one elastomeric constituent selected from the group consisting of

- (A-1) an elastomeric constituent, which may or may not be hydrogenated, based on styrene having 10 70 % by weight of a constituent polymer block based on styrene and 30 90 % by weight of a constituent polymer block based on a conjugated diene;
- (A-2) an ethylene/ $\alpha$ -olefin random copolymer constituent;
- (A-3) an ethylene/ $\alpha$ -olefin/non-conjugated polyene random copolymer constituent; and
- (Da) propylene/ethylene copolymer part in a crystalline block-copolymer component based on propylene (D).
- 6. A resin composition based on crystalline polypropylene as claimed in any one of Claims 1 to 5, wherein the crystalline polypropylene constituent (b1) comprises at least one crystalline polypropylene constituent selected from the group consisting of
  - a crystalline polypropylene constituent which (B-1)high molecular weight polycomprises product intrinsic propylene having an  $[\eta]$  , determined viscosity in decalin 135  $^{\circ}$  , of |4 - 13 dl/g in an amount in the range of 1 |- 35 % by weight and which has a melt flow rate (MFR) of the entire polyat . 230℃ constituent, determined propylene

under a load of 2160 g, in the range of 1 - 100 g/10 min., a propylene content in the range of 95 - 100 mole % and an ethylene content in the range of 0 - 5 mole %;

- (B-2) crystalline polypropylene constituents other than that of the above (B-1); and
- (Db) propylene homopolymer part in the propylenebased crystalline block-copolymer component
- composition based 7. A resin on crystalline polypropylene as claimed in any one of Claims 1 to 6, wherein the crystalline polypropylene constituent (b1) is composed substantially of a crystalline polypropylene product which comprises /a constituent component having a weight-average molecular weight (Mw) for 121℃ the elution fraction, determined by cross fractionation chromatograph (CFC),/of  $3.5 \times 10^5$  or higher.
- 8. Α resin composition based on crystalline polypropylene as claimed in any one of Claims 1 to 6, wherein the crystalline polypropylene constituent (bl) is composed substantially of a crystalline polypropylene product which compelises a constituent component having a weight-average  $\phi$ olecular weight (Mw) for the 121%elution fraction, determined by cross fractionation chromatograph (CFQ), of  $3.5 \times$ 10⁵ or higher and an content for the highest molecular ethylene fraction (mM), determined by gel permeation chromatography (GPC), of 45 % by weight or lower.
- 9. A resin composition based on crystalline polypropylene as claimed in any one of Claims 1 to 8,

wherein the crystalline polypropylene constituent (b1) is composed substantially of a crystalline polypropylene product which has a melt flow rate (MFR), determined at 230  $^{\circ}$  under a load of 2160 g, in the range of 5 - 400 g/10 min.

- 10. A resin composition based on crystalline polypropylene as claimed in any one of Claims 1 to 8, wherein the crystalline polypropylene constituent (b1) is composed substantially of a crystalline polypropylene product which has a melt flow rate (MFR), determined at 230  $^{\circ}$  under a load of 2160 g, in the range of 30 150 g/10 min.
- 11. A resin composition based on crystalline polypropylene as claimed in any one of Claims 1 to 10, which comprises
- (A) at least one elastomeric component selected from the group consisting of
  - (A-1) styrene-based elastomeric constituent, which may or may not be hydrogenated, having a styrene content in the range of 10 70 % by weight and a conjugated diene content in the range of 30 90 % by weight;
  - (A-2) an ethylene/ $\alpha$ -olefin random copolymer constituent; and
  - (A-3) an ethylene/α -olefin/non-conjugated polyene random copolymer constituent;
- (B) at least one crystalline polypropylene constituent selected from the group consisting of
  - (B-1) a crystalline polypropylene constituent

which comprises a high molecular weight polypropylene product having an intrinsic viscosity [ $\eta$ ], determined in decalin at 135°C, of 4 - 13 dl/g in an amount in the range of 1 - 35 % by weight and which has a melt flow rate (MFR) of the entire polypropylene constituent, determined at 230 °C under a load of 2160 g, in the range of 1 - 100 g/10 min., a propylene content in the range of 95 - 100 mole % and an ethylene content in the range of 0 - 5 mole % and

- (B-2) a crystalline polypropylene constituent other than the above (B-1);
- (C) a filler component; and
- (D) a crystalline block-copolymer component based on propylene comprising
  - (Da) a propylene/ethylene copolymer part and
  - (Db) a propylene homopolymer part and containing, with respect to the total weight

of the copolymer component, 5 - 50 % by weight of the 23  $^{\circ}$  paraxylene-soluble component (a) which has an intrinsic viscosity [ $\eta$ ], determined in decalin at 135 $^{\circ}$ , of 2 - 10 dl/g

and an ethylene content of 15 - 60 mole %,

wherein the propylene/ethylene copolymer part (Da) is substantially the 23°C paraxylene-soluble component (e) and

the propylene homopolymer part (Db) is substantially the component (b) soluble in 135°C

paraxylene and insoluble in  $23^{\circ}$ C paraxylene and having a melt flow rate (MFR), determined at 230  $^{\circ}$ C under a load of 2160 g, of 10 - 500 g/10 min. and

wherein the weight ratio of (A)/(B)/(C)/(D) is in the range of (3-99)/(1-97)/(0-30)/(0-96).

- 12. A resin composition based on crystalline polypropylene as claimed in Claim 11, wherein the weight ratio of (A)/(B)/(C)/(D) is in the range of (3 40)/(1 50)/(0 30)/(10 96).
- 13. A resin composition based on crystalline polypropylene as claimed in Claim 11 or 12, wherein the crystalline polypropylene component (B) has an isotactic pentad proportion (mmmm) of 97 % or higher.
- 14. A resin composition based on crystalline polypropylene as claimed in any one of Claims 11 to 13, wherein the crystalline polypropylene component (B) has a molecular weight distribution expressed by weight-average molecular weight/number-average molecular weight (Mw/Mn), determined by a gel permeation chromatography (GPC), of 6 or higher and a molecular weight distribution expressed by z-average molecular weight/weight-average molecular weight (Mz/Mw) of 6 or higher.

